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| APPLICATION NO.  | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|----------------------|---------------------|------------------|
| 09/697,044   | 10/27/2000  | Chun-Geun Choi       | P56219RE            | 3709             |
| 7590   | 09/21/2004  |                      | EXAMINER            |                  |
| Robert E Bushnell and Law Firm<br>1522 K Street NW<br>Suite 300<br>Washington, DC 20005-1202 |             |                      | SONG, HOSUK         |                  |
|  |             |                      | ART UNIT            | PAPER NUMBER     |
|  |             |                      | 2135                |                  |

DATE MAILED: 09/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

|                              |                 |                 |
|------------------------------|-----------------|-----------------|
| <b>Office Action Summary</b> | Application No. | Applicant(s)    |
|                              | 09/697,044      | CHOI, CHUN-GEUN |
|                              | Examiner        | Art Unit        |
|                              | Hosuk Song      | 2135            |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) Responsive to communication(s) filed on 14 May 2004.
- 2a) This action is **FINAL**.                            2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) Claim(s) 1-60 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) 1-22,25-50,52,53 and 60 is/are allowed.
- 6) Claim(s) 23,51 and 54-59 is/are rejected.
- 7) Claim(s) 24 is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:
  1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

|   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____. | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
|   | 6) <input type="checkbox"/> Other: _____.                                   |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 112***

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

1. Claims 51,55-56,58-59 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 51 recites the limitation "said presentation" in line 9. There is insufficient antecedent basis for this limitation in the claim.

Claims 55,58: The term "epicosotic" is a relative term which renders the claim indefinite. The term "epicosotic" is not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention.

Claim 56 dependent on claim 55.

Claim 59 dependent on claim 58.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claim 23,54,57 are rejected under 35 U.S.C. 102(b) as being anticipated by Beery(US 5,068,734).

Claim 23: Beery disclose a display device attachable to a computer, displaying an image in (fig.1). Beery disclose a circuit for converting electronic signals from computer into image in (fig.1). Beery disclose memory means for storing ID code data input via a user in (col.3, lines 34-45). Beery disclose a microcomputer for controlling display device responsive to a result of a comparison between an ID code input by user with ID code data stored in memory and for receiving signals from computer to control an operation of display device in (col.5, lines 5-16; col.8, lines 8-11-46-50 and fig.1,2).

Claims 54,57: Beerly disclose a display device providing a screen displaying variable visual images in (fig.1,2). Beerly disclose a circuit converting electronic signals from a source of video image signals attachable to display device into images in (fig.1). Beery disclose memory means for storing ID code data input via a user in (col.3, lines 34-45). Beery disclose a microcomputer for controlling display device responsive to a result of a comparison between an ID code input by user with ID code data stored in memory and for receiving signals from computer to control an operation of display device in conformance with signals concurrently received from source in (col.5, lines 5-16; col.8, lines 8-11-46-50 and fig.1,2).

### ***Allowable Subject Matter***

3        Claim 24 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 25-50,52-53,60 are allowed.

Claim 25: Prior art of record does not teach a microcomputer coupled to receive other components of image signals from the computer, to initiate display by the display device of variable visual representations different from visual images; microcomputer making a comparison between the stored ID code and the keyed ID code, and in dependence upon

comparison, setting one of (1) the gain of the driver to be substantially zero and (2) states of operational conduction between driver and the display device via switches to a disconnected state.

Claim 35,45: Prior art of record does not teach converting digital information signals from the microcomputer into image signals in the circuit; forming a keyed ID code in the microcomputer from key pad inputs; determining in the microcomputer when the stored ID code is unequal to the keyed ID code and setting the computer and the display driver to be in disconnected state when the microcomputer determines that the stored ID code is unequal to the keyed ID code.

Claims 26-34,36-44 are allowed because of dependency.

Claims 46-47 are allowed because of dependency.

Claim 48: Prior art of record does not teach responding to a determination by microprocessor that inputted code does not match password identification code stored in memory, by disabling display unit and enabling display unit to continue to produce visual image based on signals from computer when microcomputer makes a determination that inputted code matches password identification code stored in memory.

Claims 49-50 are allowed because of dependency.

Claims 52-53,60: Prior art of record does not teach a microcomputer coupled to receive other components of image signals from the computer, to initiate display by the display device of variable visual representations independently of image components; a memory maintaining a stored IC code readable by microcomputer; and a circuit responding to microcomputer by driving the display device to display variable visual representations and microcomputer making a comparison between stored ID code and input ID code provided by a user, and in dependence upon comparison, controlling driving of the display device by the driver.

***Response to Amendment***

4. Claims 1-22 remain allowed from previous office action.

The applicant has added claims 52-60.

The previous grounds of rejection based on the Lee and Hale patents are withdrawn in view of Applicant's arguments in the Amendment filed 5/14/2004. However, newly discovered prior art has necessitated new grounds of rejection. The new grounds of rejection are presented above. The delay in citation of the newly discovered prior art is regretted.

***Conclusion***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hosuk Song whose telephone number is 703-305-0042. The examiner can normally be reached on Tue-Fri from 6:00 am to 4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Vu can be reached on 703-305-4393. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Note: TC 2100 will be moved to Carlyle in Oct 2004, At this time, any inquiry or communications should be directed to the examiner, Hosuk Song, whose telephone number is 571-272-3857. New phone number for TC 2100 receptionist is 571-272-2100.

Application/Control Number: 09/697,044  
Art Unit: 2135

Page 6

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